

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> ( Not for submission under 37 CFR 1.99)	Application Number		10562512	
	Filing Date		2005-12-28	
	First Named Inventor	Ben Hankamer		
	Art Unit	1645		
	Examiner Name	Not yet assigned		
	Attorney Docket Number	012930-000026		

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1	ALLEN et al., "Chloroplasat Protein Phosphorylation Couples Plastoquinone Redox State to Distribution of Excitation Energy Between Photosystems," Nature, Vol. 297, (7 May 1981) pp. 25-29.	<input type="checkbox"/>
2	BONAVENTURE et al., "Fluorescence and Oxygen Evolution from Chlorella Pyrenoidosa," Biochimica et Biophysica Acta, Vol. 189, (1969) pp. 366-383.	<input type="checkbox"/>
3	BULTE et al., "ATP Control on State Transitions in vivo in Chlamydomonas Reinhardtii," Biochimica et Biophysica Acta, Vol. 1020, (1990) pp. 72-80.	<input type="checkbox"/>
4	DAGA et al., "Molecular Characterization of the Transcription Termination Factor from Human Mitochondria," The Journal of Biological Chemistry, Vol. 268, No. 11, (April 15, 1993) pp. 8123-8130.	<input type="checkbox"/>
5	DAY et al., "A Transposon with an Unusual Arrangement of Long Terminal Repeats in the Green Alga Chlamydomonas Reinhardtii," The EMBO Journal, Vol. 7, No. 7, (1988) pp. 1917-1927.	<input type="checkbox"/>
6	DE VITRY et al., "Analysis of the Nucleus-Encoded and Chloroplast-Targeted Rieske Protein by Classic and Site-Directed Mutagenesis of Chlamydomonas," The Plant Cell, Vol. 11, (October 1999) pp. 2031-2044.	<input type="checkbox"/>
7	DEBUCHY et al., "The Argininosuccinate Lyase Gene of Chlamydomonas Reinhardtii: An Important Tool for Nuclear Transformation and for Correlating the Genetic and Molecular Maps of the ARG7 Locus," The EMBO Journal, Vol. 8, No. 10, (1989) pp. 2803-2809.	<input type="checkbox"/>
8	DEPEGE et al., "Role of Chloroplast Protein Kinase Stt7 in LHCII Phosphorylation and State Transition in Chlamydomonas," Science, Vol. 299, (7 March 2003) pp. 1572-1575.	<input type="checkbox"/>
9	DUBY et al., "Alteration of Dark Respiration and Reduction of Phototrophic Growth in a Mitochondrial DNA Deletion Mutant of Chlamydomonas Lacking cob, nd4 and the 3' End of nd5," The Plant Cell, Vol. 11, (January 1999) pp. 115-125.	<input type="checkbox"/>
10	DUTILLEUL et al., "Functional Mitochondrial Complex I is Required by Tobacco Leaves for Optimal Photosynthetic Performance in Photorespiratory Conditions and During Transients," Plant Physiology, Vol. 131, (January 2003) pp. 264-275.	<input type="checkbox"/>
11	FERNANDEZ-SILVA et al., "The Human Mitochondrial Transcription Termination Factor (mTERF) is a Multizipper Protein but Binds to DNA as a Monomer, with Evidence Pointing to Intramolecular Leucine Zipper Interactions," The EMBO Journal, Vol. 16, No. 5, (1997) pp. 1066-1079.	<input type="checkbox"/>

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12	FINAZZI et al., "Involvement of State Transitions in the Switch Between Linear and Cyclic Electron Flow in Chlamydomonas Reinhardtii," EMBO Reports, Vol. 3, No. 3, (2002) pp. 280-285.	<input type="checkbox"/>
13	FINAZZI et al., "Thylakoid Targeting of Tat Passenger Proteins Shows no $\Delta$ pH Dependence in Vivo," The EMBO Journal, Vol. 22, No. 4, (2003) pp. 807-815.	<input type="checkbox"/>
14	FLEISCHMANN et al., "Isolation and Characterization of Photoautotrophic Mutants of Chlamydomonas Reinhardtii Deficient in State Transition," The Journal of Biological Chemistry, Vol. 274, No. 43, (October 22, 1999) pp. 30987-30994.	<input type="checkbox"/>
15	FLORIN et al., "A Novel Type of Iron Hydrogenase in the Green Alga Scenedesmus Obliquus is Linked to the Photosynthetic Electron Transport Chain," The Journal of Biological Chemistry, Vol. 276, No. 9, (March 2, 2001) pp. 6125-6132.	<input type="checkbox"/>
16	FLUGGE, "Metabolite Transporters in Plastids," Plant Biology, Vol. 1, (1998) pp. 201-206.	<input type="checkbox"/>
17	GANS et al., "The Effect of Cyanide on State Transition in Chlamydomonas Reinhardtii," Biochimica et Biophysica Acta, Vol. 1228, (1995) pp. 51-57.	<input type="checkbox"/>
18	GHIRARDI et al., "Oxygen Sensitivity of Algal H <sub>2</sub> -Production," Applied Biochemistry and Biotechnology, Vol. 63-65, (1997) pp. 141-151.	<input type="checkbox"/>
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20	GRAY et al., "Organization and Expression of Algal (Chlamydomonas Reinhardtii) Mitochondrial DNA," Biological Sciences, Vol. 319, No. 1193 (May 31, 1998) pp. 135-147.	<input type="checkbox"/>
21	GU et al., "Analysis of Leaf Sectors in the NCS6 Mitochondrial Mutant of Maize," The Plant Cell, Vol. 5, (August 1993) pp. 963-971.	<input type="checkbox"/>
22	GUMPEL et al., "Playing Tag with Chlamydomonas," Trends in Cell Biology, Vol. 4, (August 1994) pp. 299-301.	<input type="checkbox"/>

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23	HAPPE et al., "Differential Regulation of the Fe-Hydrogenase During Anaerobic Adaptation in the Green Alga Chlamydomonas Reinhardtii," Eur. J. Biochem., Vol. 269, (2002) pp. 1022-1032.	<input type="checkbox"/>
24	HELDT et al., "Alkalization of the Chloroplast Stroma Caused by Light-Dependent Proton Flux into the Thylakoid Space," Biochimica et Biophysica Acta, Vol. 314, (1973) pp. 224-241.	<input type="checkbox"/>
25	HESS et al., "Impairment of the Mitochondrial Transcription Termination by a Point Mutation Associated with the MELAS Subgroup of Mitochondrial Encephlomyopathies," Nature, Vol. 351, (16 May 1991) pp. 236-239.	<input type="checkbox"/>
26	HOEFNAGEL et al., "Interdependence Between Chloroplasts and Mitochondria in the Light and the Dark," Biochimica et Biophysica Acta, Vol. 1366, (1998) pp. 235-255.	<input type="checkbox"/>
27	HOFFERT et al., "Energy Implications of Future Stabilization of Atmospheric CO2 Content," Nature, Vol. 395, (29 October 1998) pp. 881-884.	<input type="checkbox"/>
28	HORTON et al., "Regulation of Phosphorylation of Chloroplast Membrane Polypeptides by the Redox State of Plastoquinone," FEBS Letters, Vol. 125, No. 2, (March 1981) pp. 193-196.	<input type="checkbox"/>
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30	KINDLE et al., "Stable Nuclear Transformation of Chlamydomonas Using the Chlamydomonas Gene for Nitrate Reductase," The Journal of Cell Biology, Vol. 109, No. 6, Pt. 1, (December 1989) pp. 2589-2601.	<input type="checkbox"/>
31	KROMER et al., "Mitochondrial Oxidative Phosphorylation Participating in Photosynthetic Metabolism of a Leaf Cell," FEB, Vol. 226, No. 2, (January 1988) pp. 352-356.	<input type="checkbox"/>
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33	KRUSE, "Light-Induced Short-Term Adaptation Mechanisms Under Redox Control in the PS II-LHCII Supercomplex: LHC II State Transitions and PS II Repair Cycle," Naturwissenschaften, Vol. 88, (2001) pp. 284-292.	<input type="checkbox"/>

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34	KRUSE et al., "Termination of Transcription in Human Mitochondria: Identification and Purification of a DNA Binding Protein Factor that Promotes Termination," Cell, Vol. 58, (July 28, 1989) pp. 391-397.	<input type="checkbox"/>
35	KRUSE et al., "Isolation of State Transition Mutants of Chlamydomonas Reinhardtii by Fluorescence Video Imaging," Photosynthesis Research, Vol. 61, (1999) pp. 43-51.	<input type="checkbox"/>
36	LEE et al., "A New Oxygen Sensitivity and Its Potential Application in Photosynthetic H2 Production," Applied Biochemistry and Biotechnology, Vol. 105-108, (2003) pp. 303-313.	<input type="checkbox"/>
37	LEMAIRE et al., "Characterization of Thioredoxin y, A New Type of Thioredoxin Identified in the Genome of Chlamydomonas Reinhardtii," FEBS Letters, Vol. 543, (2003) pp. 87-92.	<input type="checkbox"/>
38	LOWN et al., "Chlamydomonas Nuclear Mutants that Fail to Assemble Respiratory or Photosynthetic Electron Transfer Complexes," Biochemical Society Transactions, Vol. 29, Pt. 4, (2001) pp. 452-455.	<input type="checkbox"/>
39	MELIS et al., "Hydrogen Production. Green Algae as a Source of Energy," Plant Physiology, Vol. 127, (November 2001) pp. 740-748.	<input type="checkbox"/>
40	MELIS et al., "Sustained Photobiological Hydrogen Gas Production upon Reversible Inactivation of Oxygen Evolution in the Green Alga Chlamydomonas Reinhardtii," Plant Physiology, Vol. 122, (January 2000) pp. 127-135.	<input type="checkbox"/>
41	MICHEL et al., "Molecular Characterization of idiA and Adjacent Genes in the Cyanobacteria Synechococcus sp. Strains PCC 6301 and PCC 7942," Microbiology, Vol. 145, (1999) pp. 1473-1484.	<input type="checkbox"/>
42	MILLENAAR et al., "The Role of the Alternative Oxidase in Stabilizing the in vivo Reduction State of the Ubiquinone Pool and the Activation State of the Alternative Oxidase," Plant Physiol., Vol. 118, (1998) pp. 599-607.	<input type="checkbox"/>
43	MURATA, "Control of Excitation Transfer in Photosynthesis," Biochimica et Biophysica Acta, Vol. 172, (1969) pp. 242-251.	<input type="checkbox"/>
44	"National Hydrogen Energy Roadmap," United States Department of Energy, National Hydrogen Energy Roadmap Workshop, Washington, DC, (April 2-3, 2002) pp. 1-58.	<input type="checkbox"/>

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	45	NELSON et al., "The CRY1 Gene in Chlamydomonas Reinhardtii: Structure and Use as a Dominant Selectable Marker for Nuclear Transformation," Molecular and Cellular Biology, Vol. 14, No. 6, (June 1994) pp. 4011-4019.	<input type="checkbox"/>
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☐ See attached certification statement.

☐ Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ None

**SIGNATURE**

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Jennifer L. Skord/	Date (YYYY-MM-DD)	2007-03-01
Name/Print	Jennifer L. Skord	Registration Number	30,687

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